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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO
10/626,929	07/25/2003	Paul C. Wacker	H0005417 (1161.1129101) 5411	
128 75	590 · 07/08/2005	EXAMINER		INER
HONEYWELL INTERNATIONAL INC.			TANNER, HARRY B	
101 COLUMBI	IA ROAD			<u> </u>
P O BOX 2245		ART UNIT	PAPER NUMBER	
MORRISTOWN, NJ 07962-2245			3744	
			DATE MAILED, 07/09/2004	_

Please find below and/or attached an Office communication concerning this application or proceeding.

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	Application No.	Applicant(s)				
	10/626,929	WACKER, PAUL C.				
Office Action Summary	Examiner	Art Unit				
	Harry B. Tanner	3744				
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply						
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.  - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.  - If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.  - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.  - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).  Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).						
Status .						
1) Responsive to communication(s) filed on 12 April 2005.						
2a)⊠ This action is <b>FINAL</b> . 2b)□ This	action is non-final.	·				
3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.						
Disposition of Claims						
4) Claim(s) 1-25 and 32-35 is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration.  5) Claim(s) is/are allowed.  6) Claim(s) 1-25 and 32-35 is/are rejected.  7) Claim(s) is/are objected to.  8) Claim(s) are subject to restriction and/or election requirement.						
Application Papers						
9) ☐ The specification is objected to by the Examiner.						
10) ☐ The drawing(s) filed on is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.						
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).						
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).  11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.						
Priority under 35 U.S.C. § 119						
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  a) All b) Some * c) None of:  1. Certified copies of the priority documents have been received.  2. Certified copies of the priority documents have been received in Application No  3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).  * See the attached detailed Office action for a list of the certified copies not received.						
Attachment(s)						
1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal Pa					

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The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 1-14, 17-25 and 32-35 are rejected under 35 U.S.C. 103(a) as being unpatentable over Gauthier. Gauthier discloses the invention substantially as claimed. Gauthier discloses a method for controlling an air conditioner in which a minimum on time is set to 4 minutes (block 228 of Figure 6A). If the humidity is greater than a given amount the system will continue to operate until the humidity is reduced to less than the given amount (block 240 of Figure 6B). When the "call time" resulting from high humidity is greater than a given amount the minimum on time is increased based upon the amount of the call time (blocks 260, 264 and 268 of Figure 6C). It would have been obvious to one of ordinary skill in the art at the time the invention was made to have modified the system of Gauthier such that it increased the minimum on time by a fixed amount rather than the variable increase of Gauthier. The amount of increase is considered to have been an obvious engineering determination based upon the specific system and environmental conditions of the system being controlled.

Claims 15-16 are rejected under 35 U.S.C. 103(a) as being unpatentable over Fukumoto et al. Fukumoto discloses an air conditioner in which the "on" time of the compressor operation during the duty cycle is increased in response to an automatic humidity regulator (see col. 6, lines 13-29). It would have been obvious to one of ordinary skill in the art at the time the invention was made to have modified the system

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of Fukumoto such that automatic humidity regulator was responsive to a given humidity level since that is the conventional manner in which automatic humidity regulators operate.

Applicant's arguments filed on April 12, 2005 have been fully considered but they are not persuasive. For example, with respect to applicant's contention that Gauthier adjusts the minimum run time when the humidity is below a predetermined level, it is pointed out that in the control method shown in Figures 6A-6D the call timer which is started in block 224 will increase as long as the humidity is above a given level since the control will not reach blocks 242, 244, 256, 258 until the humidity is reduced below the given level so that when the control reaches blocks 260-270 the call timer will have reached a time greater than the test in blocks 260, 264 or 268 based upon how long it took to reduce the humidity. With respect to applicant's contention that Fukumoto et al teaches reducing the "on" time of the duty cycle in order to save power, it is noted that Fukumoto calculates an "on" time for the compressor based upon cooling demand at blocks 510, 530 but in response to the need to lower humidity as determined by block 531 the control will increase the compressor on time if it is lower than the minimum duty cycle for lowering room humidity.

THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not

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mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Harry B. Tanner whose telephone number is (571) 272-4813. The examiner can normally be reached 8:30 am to 5:00 pm Monday through Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Cheryl Tyler, can be reached on (571) 272-4834. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://portal.uspto.gov/external/portal/pair. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

> Harry B. Tanner Primary Examiner Art Unit 3744